

Pergolizzi et al.

Serial No.: 08/479,995

Filed: June 7, 1995

Page 2 [Supplemental Amendment (Following Applicant's Amendment of March 28, 2003) -- July 23, 2003]

-- 546. (NEW) A kit for the detection in a sample of an analyte having one or more molecularly recognizable portions thereon, comprising as components thereof:

(i) a container carrying a molecular bridging entity comprising a first portion capable of recognizing and binding to or hybridizing with said molecularly recognizable portion on said analyte, and a second portion comprising one, or more nucleic acid sequences or segments; and

(ii) a container carrying more than one signalling entity, each such entity comprising a nucleic acid portion capable of binding to or hybridizing with said bridging entity second portion nucleic acid sequence or segment, and one or more signal generating portions, each such portion being capable of providing a detectable signal,

wherein said analyte is a polynucleotide, said one or more nucleic acid sequences or segments of said second portion are repeating low-complexity nucleic acid sequences or segments, and said one or more nucleic acid sequences or segments of said second portion are incapable of hybridizing to the analyte. --

-- 547. (NEW) The kit of claim 546, wherein said signal is amplified because the ratio of the signalling entities to the bridging entity exceeds 5. --

\* \* \* \* \*